

AMENDMENTS TO THE DRAWINGS:

The attached drawing(s) include changes to FIGS. 1, 4, 5B, and 6. The sheets containing FIGS. 1, 4, 5B, and 6 replace the original sheets including FIGS. 1, 4, 5A-5E, and 6.

In FIG. 5B, Applicant makes the changes as suggested by the Examiner in item 3 of the Office Action.

In Figures 1, 4, and 6, Applicant adds additional components, so that the drawings are consistent with the specification and claims.

In FIG. 1, Applicant adds SYSTEM 150, SYSTEM ELEMENT 160, SYSTEM BUS 170, UPPER MODULE 180, and LOWER MODULE 190.

In FIG. 4, Applicant adds SYSTEM 450, SYSTEM ELEMENT 460, SYSTEM BUS 470, UPPER MODULE 480, and LOWER MODULE 490.

In FIG. 6, Applicant adds SYSTEM 650, SYSTEM ELEMENT 660, SYSTEM BUS 670, UPPER MODULE 680, and LOWER MODULE 690.

The attached drawing(s) further include replacement sheets for FIGS. 3 and 7, which reposition reference numerals and/or improve line clarity.

REMARKS

In accordance with the foregoing, the specification, drawings, and claims 1, 3, 4, 7, 8, 18, 27, and 28 have been amended. Claims 1-28 are pending and under consideration.

Objections to the Drawings

The Office Action objects to Figure 5B. Applicant amends Figure 5B as suggested by the Examiner. Accordingly, withdrawal of the objection to Figure 5B is respectfully requested.

Objection to the Abstract and Specification

In item 4, the Office Action objects to the Specification and Abstract because the structural relationship of "upper module" and "lower module" to a system. Applicant amends the specification and Figures 1, 4, and 6 to further clarify the specification and Abstract without adding new matter. Accordingly, withdrawal of the objection to the specification and Abstract is respectfully requested.

Rejection of Claims 27 and 28

Claims 27 and 28 are rejected under 35 U.S.C. §112, first paragraph. Applicant amends claims 27 and 28 to obviate this rejection. Accordingly, withdrawal of this rejection is respectfully requested.

Rejection of Claims 2, 6, 10-26, and 28 Under 35 U.S.C. §112(2)

The Office Action rejects claims 2, 6, 10-26, and 28 under 35 U.S.C. §112, second paragraph as being indefinite. Applicant amends the drawings and specification to show an "upper module." In addition, applicant amends claim 18 to further clarify claim 18.

Accordingly, withdrawal of this rejection is respectfully requested.

Rejection of Claim 1 Under 35 U.S.C. §102(a)

The Office Action rejects claim 1 under 35 U.S.C. §102(a) as being anticipated by U.S. Patent 6,438,634 issued to Watanabe et al. (hereinafter referred to as "Watanabe"). This rejection is respectfully traversed.

Watanabe does not disclose, teach, or suggest at least, "a first transmitter which transmits an address of read data, and an address of write data along with the write data to the memory module via the address line; and a second transmitter which transmits data read from the memory module via the data line," as recited in amended claim 1. Therefore, for at least these reasons, claim 1 is patentably distinguishable from Watanabe.

Objection to Claims 3-5 and 7-9

In item 11, the Office Action objects to claims 3-5 and 7-9 as being dependent upon a rejected base claim. Applicant amends claims 3, 4, 7, and 8 to place claims 3, 4, 7, and 8 in independent form. Claim 5 depends from claim 4 and claim 9 depends from claim 8.

Accordingly, withdrawal of the objection to claims 3-5 and 7-9 for being dependent upon a rejected base claim is respectfully requested.

Summary

Claims 1-28 are pending and under consideration. It is respectfully submitted that none of the references taken alone or in combination disclose the present claimed invention.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date:

May 10, 2006

By:

Paul F. Daebeler

Paul F. Daebeler

Registration No. 35,852

1201 New York Avenue, NW, 7th Floor
Washington, D.C. 20005
Telephone: (202) 434-1500
Facsimile: (202) 434-1501